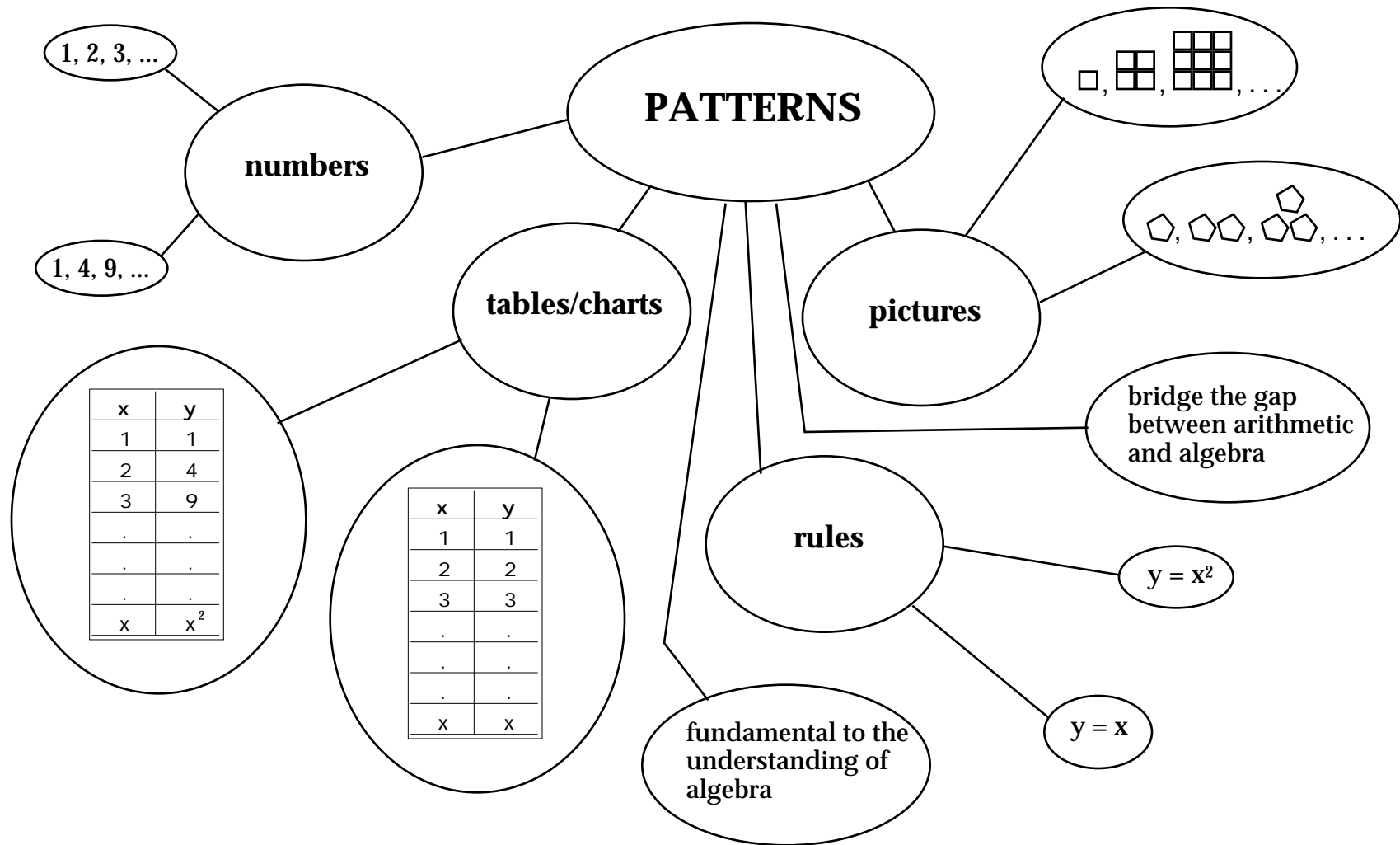


# ALGEBRAIC THINKING STRAND

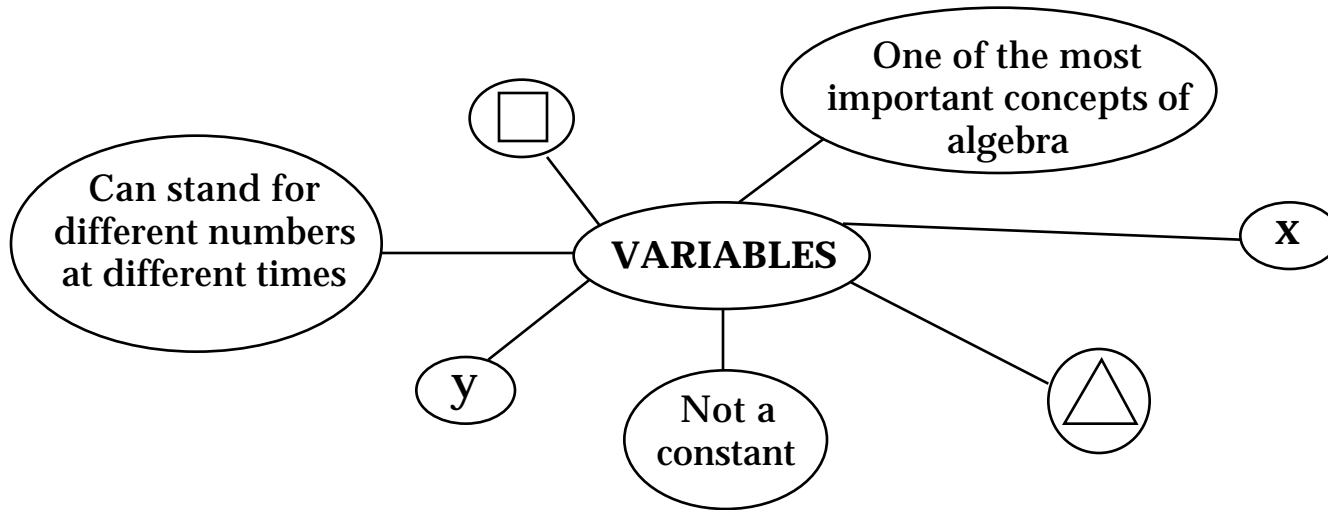
# PATTERNS

**Patterns allow us to generalize relationships within a set of data.**

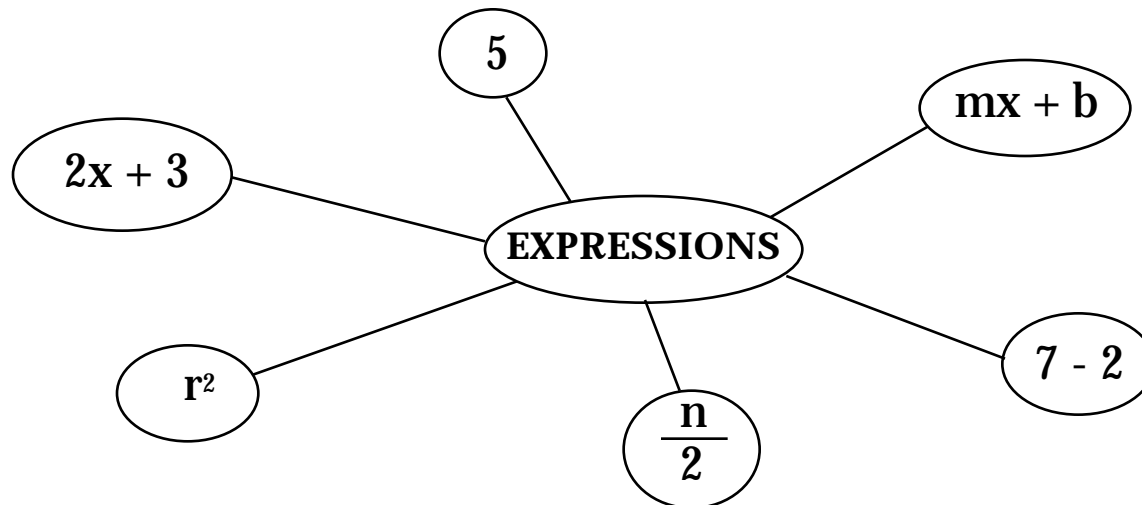


# VARIABLES and EXPRESSIONS

**A variable is a symbol used to represent a value.**

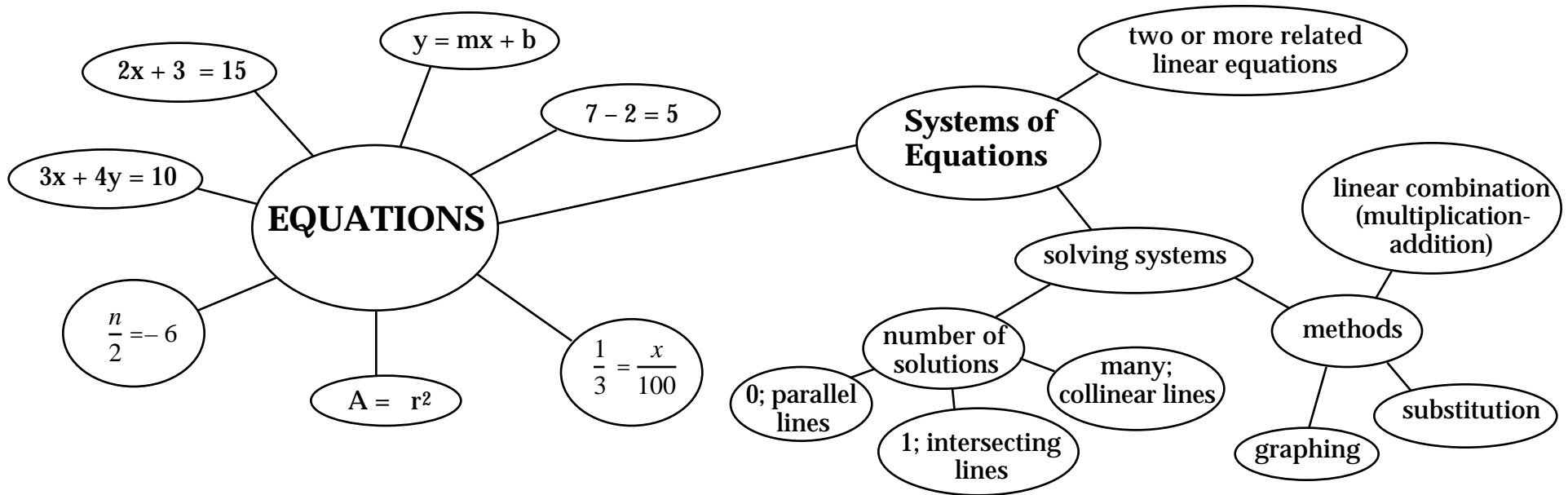


**An expression is a mathematical phrase that uses numbers, variables, and/or operations.**

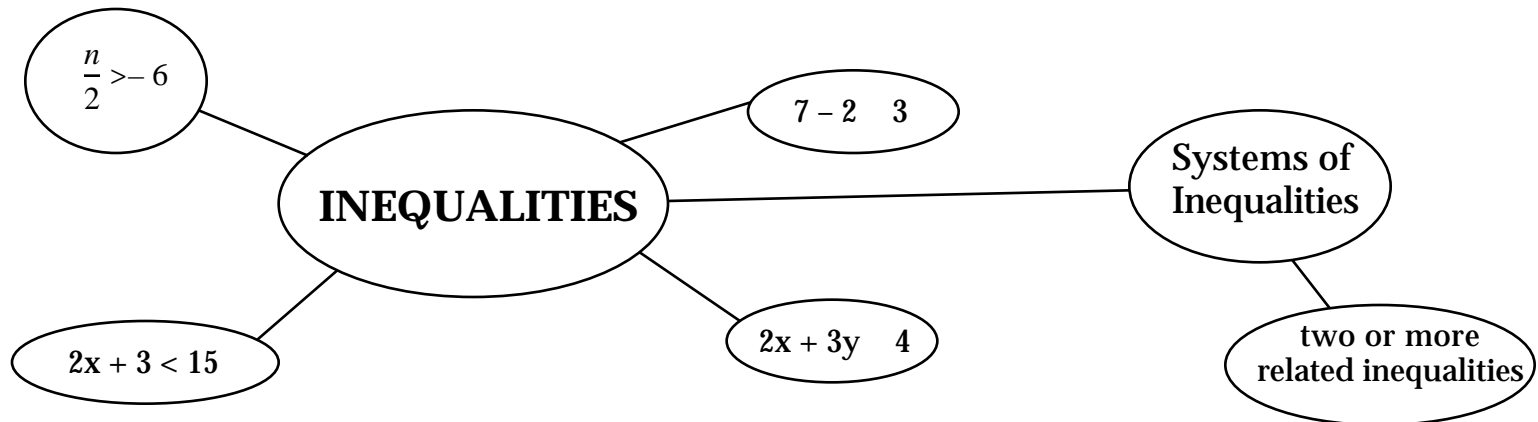


# EQUATIONS and INEQUALITIES

**An equation is a sentence that has two equal mathematical expressions.**

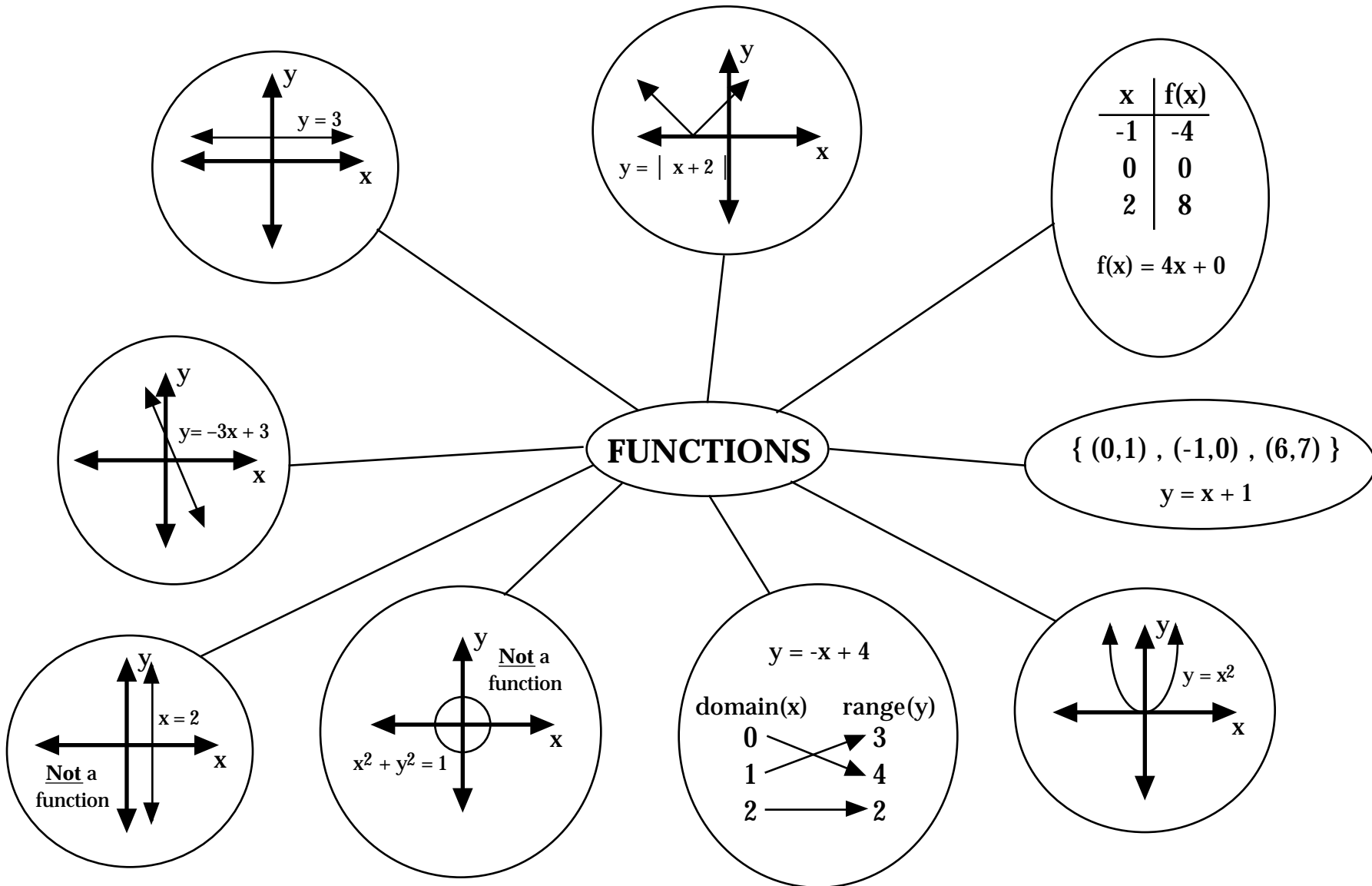


**An inequality is any mathematical sentence that is not an equation.**



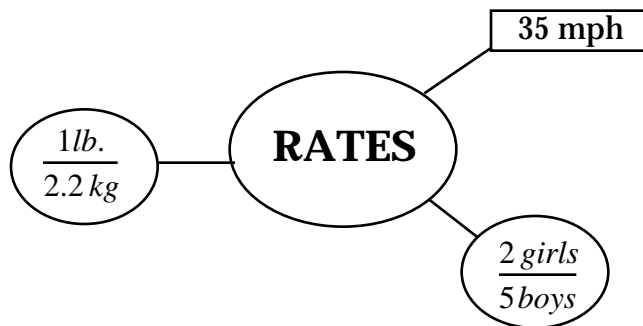
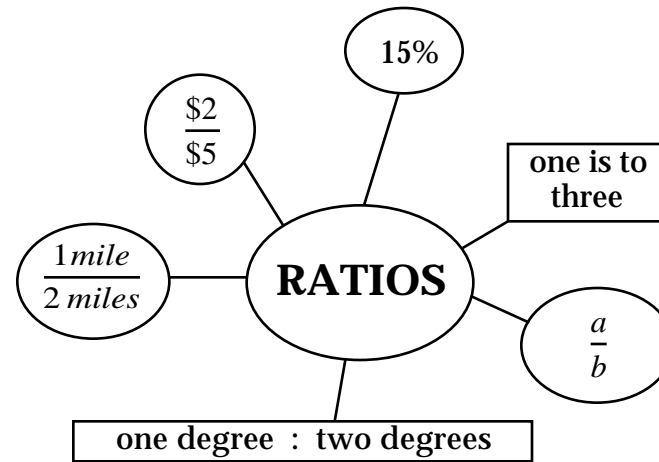
# FUNCTIONS

**A function is a relationship in which the value of one variable depends on the value of another variable; each first value may be paired with one and only one second value.**



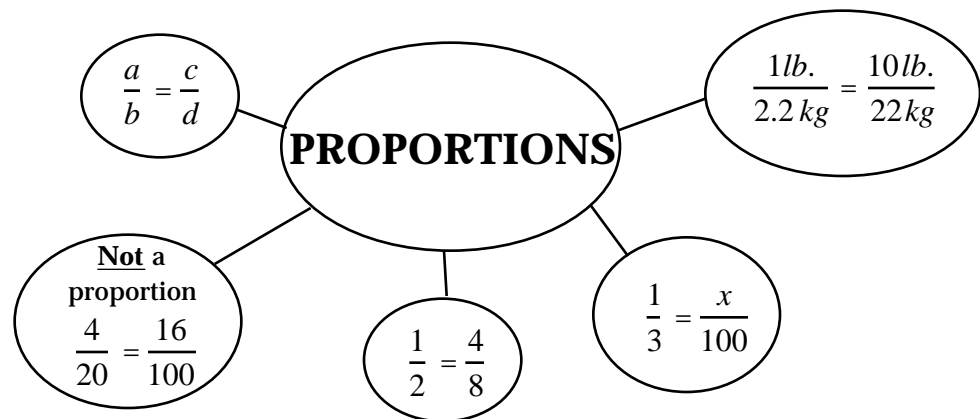
# RATIOS, RATES, and PROPORTIONS

**A ratio is a comparison of two of the same measurements.**



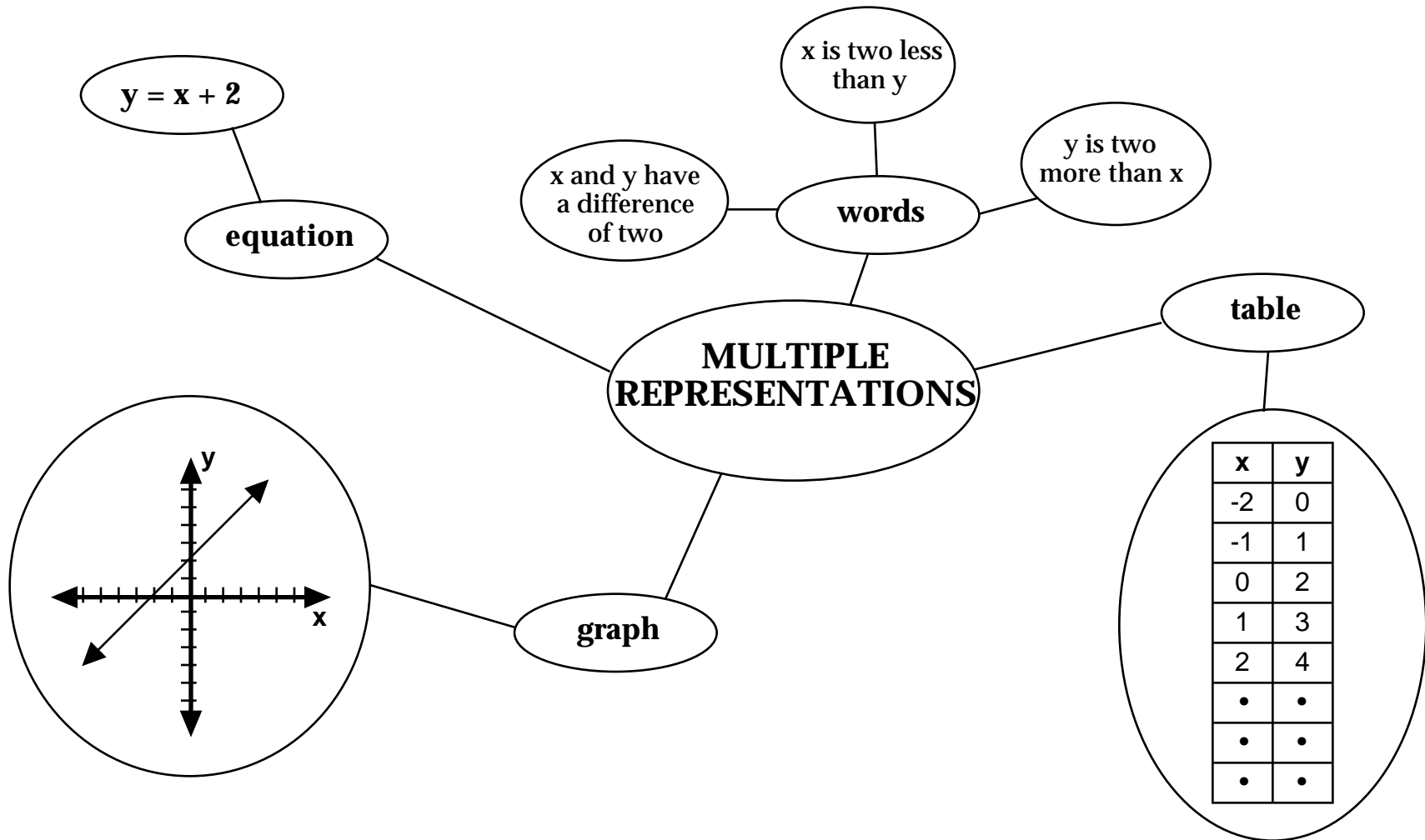
**A rate is a comparison of two different measurements.**

**A proportion is a comparison of two equivalent ratios.**



# MULTIPLE REPRESENTATIONS

A single mathematical concept can be represented in a variety of forms such as symbols, words, graphs, tables, and equations . . .



# DATA ANALYSIS

The collection and organization of information into a form that is easily understood.

